

Appl. No. : 10/783,044
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AMENDMENTS TO THE CLAIMS

Please amend Claim 1 and add new Claim 10 as follows:

1. (Currently amended) A multi-layered film comprised of at least a first layer and a second layer in contact with said first layer, wherein

said first layer is comprised of an amount of silicon in the range of about 1% to about 60 %, an amount of carbon in the range of about 10% to about 90%, an amount of oxygen in the range of 0 % to about 35%, and an amount of fluorine in the range of 0% to about 67%, each by weight based on total weight; and

said second layer is comprised of an amount of silicon in the range of about 1% to about 50%, an amount of carbon in the range of about 10% to about 60%, an amount of oxygen in the range of 0 % to about 30%, and an amount of fluorine in the range of 0 % to about 67%, each by weight based on total weight,

wherein said multi-layer film has a dielectric constant of about [3.0] 2.7 or lower, and

wherein said second layer has an elemental composition that is substantially different from said first layer.

2. (Original) The multi-layered film of Claim 1 wherein said first layer is comprised of an amount of fluorine in the range of 0% to about 10%, and wherein said second layer is comprised of an amount of fluorine in the range of about 20 % to about 65%, each by weight based on total weight.

3. (Original) The multi-layered film of Claim 1 in which the interface between said first layer and said second layer is graded.

4. (Original) The multi-layered film of Claim 1 wherein said first layer and said second layer each independently have a thickness in the range of about 150 Å to about 2500 Å.

5. The multi-layered film of Claim 1 which is further comprised of a third layer in contact with said second layer,

wherein said third layer is comprised of an amount of silicon in the range of about 1% to about 60%, an amount of carbon in the range of about 10% to about 90%, an

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amount of oxygen in the range of 0% to about 35%, and an amount of fluorine in the range of 0% to about 65%, each by weight based on total weight, and

wherein said third layer has an elemental composition that is substantially different from said second layer.

6. (Original) The multi-layered film of Claim 5, wherein said first layer is comprised of an amount of fluorine in the range of 0% to 10%, said second layer is comprised of an amount of fluorine in the range of about 20% to about 65%, and said third layer is comprised of an amount of fluorine in the range of 0% to about 10%, each by weight based on total weight.

7. (Original) The multi-layered film of Claim 5, wherein said first layer is comprised of an amount of fluorine in the range of 0% to 10%, said second layer is comprised of an amount of silicon in the range of about 10% to about 35%, and said third layer is comprised of an amount of fluorine in the range of 20% to about 65%, each by weight based on total weight.

8. (Original) The multi-layered film of Claim 5, wherein the interface between said third layer and said second layer is graded.

9. (Original) The multi-layered film of Claim 5 wherein said first layer and said second layer each independently have a thickness in the range of about 150 Å to about 2500 Å.

10. (New) The multi-layered film of Claim 1 wherein said dielectric constant is an as-deposited dielectric constant.